PROCEDURE FOR FINDING THE CORRECTED 5 DAY D.O. OF THE DILUTION WATER

1. Determine the 5 day D.O. on each of the three dilution water samples and calculate an average value.

2. Determine the 5 day D.O. for each of the three seed samples.

3. Subtract each of the seedD.O.s from the dilution water average D.O. This is the amount of oxygen used by the seed.

4. Divide the O_2 used by the number of ml. of seed used and caluculate an average value. This is the correction factor. (For 1 ml. seed per bottle. When using two ml. per bottle divide by $\frac{1}{2}$ the ml. seed used).

5. Subtract the correction factor ($\frac{\text{p.p.m. } O_2 \text{ used}}{\text{ml. seed}}$) from the dilution water D.O. average to obtain the corrected 5-day D.O. of the dilution water.

SIGNIFICANCE OF RED INK

From at least 4/18/66 on, red ink indicates a titration by the Winkler method of D.O. determination, rather than a D.O. determination on the YSIO_2 meter.